

Date : Oct.29,2020

## Temperature increase of main components

Model: WMA35F

### 1. Conditions

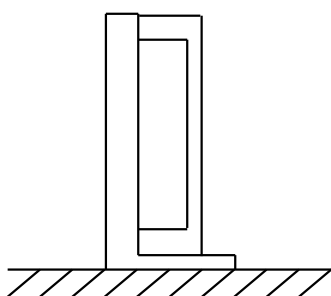
(1) Input :AC 85 ~ 264 [V]

(2) Output :Rated output \*Derating is required at 85-115[VAC] input.

(3) Mounting method :Shown as Fig.1.1

### 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			5V	12V	24V	48V				
1	Line Filter	L101	56.1	46.6	45.4	46.9			130	
2	Rectifier(Input)	SS101	59.7	40.9	40.3	37.6			150	Junction Temp.
3	Input Capacitor	C109	27.2	23.9	23	22.2			105	
4	Switching Transistor	TR201	36.2	31.5	22.6	25.5			150	Junction Temp.
5	Transformer	T201	53.4	42.5	38.6	46.9			130	
6	Rectified Transistor(Output)	SS501	70.6	45.8	–	–			150	Junction Temp.
7	Rectified Transistor(Output)	D501	–	–	68.1	63.4			150	Junction Temp.
8	Output Capacitor	C505	48	29.2	33	27.7			105	
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(Side view)

Fig.1.1 Mounting method  
(Normal position)

\*All information presented herein are not guaranteed.